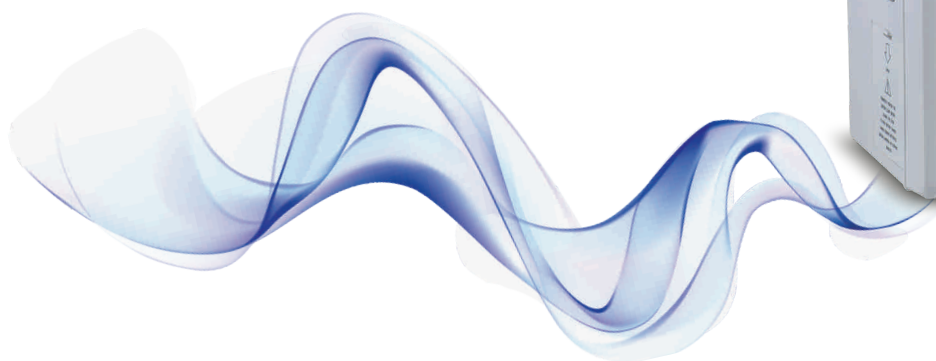




# Multi-Parameter Patient Monitor



**M9000A**

# TECHNICAL SPECIFICATION: \_\_\_\_\_ M9000A

## General:

### Size and Weight

- Size 318mm×264mm×152mm (12.5"X10.4"X6")
- Weight 4.5kg (9.9 LBS)

### Display

- 12.1" Color TFT-LCD
- Resolution 800×600 pixels or higher

### Power supply

- Power Voltage AC 100-240V 50/60Hz
- Power Input ≤85VA
- Fuse: T1.6AL/250V, Φ5×20 (mm)
- Safety class: Category I

### Battery

- Type : Rechargeable Lithium Battery
- Charge time: ≤ 6 hours
- Operating time under the normal use and full charge: ≥240 minutes (2 batteries for 480 minutes)

### Thermal Recorder

- Method: Thermal dot array
- Paper width: 50 mm (1.97 in)
- Paper Speed: 12.5/25/50 (mm/sec)
- Traces Maximum: 3 tracks

### System output

- Ethernet Network standard RJ45 socket
- RF Wireless LAN: 433MHz, 10mW (option)
- Defibrillation Output: Option
- Video Output: Option

### Alarm

- Three Level : Low, medium and high
- Indication: Auditory and visual
- Setup: Default and custom
- Silence: All alarms can be silenced
- Volume: 45~85 dB measured at 1 meter

### Trend

- Store & review 168 hours trend data and trend maps
- Parameter option: HR, SpO2, NIBP, PR, Resp, CO2, Temp1, Temp2, AA, N2O, O2, IBP1, IBP2, C.I.
- Cycle intervals of trend storage 1min, 2min, 3min, 4min, 5min, 10min, 15min, 20min, 25min, 30min.

### Store & Reviewing

- ECG : 30 minutes one important lead's ECG waveform
- Alarm : 1800 groups Alarm events reviewing
- NIBP : 1000 groups NIBP measurement
- Arrhythmia: 128 groups data (8 seconds ECG waveforms)
- Power-off storage: 72 hours trend data & 1 ECG wave form(option)

### Environment

- Working temperature: 0~+40°C (32°F - 104°F)
- Transportation and storage temperature: -20~+55°C (-4°F- 122°F)
- Relative humidity: Working ≤85%  
Transportation and storage ≤93%
- Atmospheric pressure: Working 860~1060 hPa  
Transportation and storage 500~1060 hPa

### Standard Configuration

ECG,HR,RESP,NIBP,SPO2,PR, 2-TEMP, Lithium Battery

### Option

2-IBP,Recorder, EtCO2 (micro stream, main stream), Nellcor SpO2, Masimo SpO2

## Performance:

### ECG

- Mode : 5-leads (standard); 3-leads
- Lead selection: I, II, III, aVR, aVL, aVF
- Gain: AUTO, 0.25x, 0.5x, 1.0x, 2.0x, 4.0x
- Insulation Breakdown Voltage 4000VAC 50/60Hz
- Sweep speed 12.5mm/s, 25mm/s, 50mm/s
- HR Range: 10~350 bpm
- HR Accuracy ±1% or ±1 bpm, whichever is greater

### RESP

- Method: Impedance variation between RA-LL (R-F)
- Measurement Range: 0~150 rpm
- Accuracy: ±2 rpm
- Gain: x1, x2, x4
- Sweep speed 6.25mm/s, 12.5mm/s, 25mm/s

### TEMP

- Measurement Range: 0.0~50.0°C (32°F- 122°F)
- Unit: Celsius (°C), Fahrenheit (°F)
- Accuracy: ±0.1°C ±1°F (exclusive of probe)
- Connecting cable: Compatible with YSI-400

### BLT-SpO2

- Measurement Range 0~100%
- Accuracy At 70~100%, ±2%
- At 0~69%, unspecified
- PR Range 25~250 bpm
- PR Accuracy ±1% or ±1 bpm, whichever is greater

### NIBP

- Technique: Automatic oscillometry
- Range: Adult: 10~270 mmHg  
Child: 10~235 mmHg  
Neonate: 10~135 mmHg
- Accuracy: Static ±2% or ±3 mmHg, whichever is greater
- Unit: mmHg, kPa
- Pulse rate range: 40~240 bpm
- Intervals for AUTO measurement: 1,2,3,4,5,10,15, 30, 60,90 minutes 2,4,8 hours

### IBP (option)

- Channel : 2
- Measurement Range: -50 ~ +300 mmHg
- Unit: mmHg, kPa
- Accuracy: ±2mmHg or 2%, whichever is greater

### ETCO2(option, Microstream)

- Range 0~19.7%(0~150 mmHg)
- Unit: %, mmHg, kPa
- Respiration Rate Range 2~150 bpm

### EtCO2 (option, Mainstream )

- Range 0~19.7%(0~150 mmHg)
- Unit: %, mmHg, kPa
- Respiration Rate Range 0~150 bpm



\*Specifications subject to change without prior notice.

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